ARCHIVES of PHYSICAL THERAPY

(INCORPORATING PHYSICAL THERAPEUTICS)

with

International Abstract

OFFICIAL JOURNAL AMERICAN CONGRESS OF PHYSICAL THERAPY EDITED BY DISRAELI KOBAK, M.D.

VOLUME XXI — January-December, 1940, Inclusive

OFFICERS OF THE AMERICAN CONGRESS OF PHYSICAL THERAPY

EXECUTIVE AND EDITORIAL OFFICES 30 NORTH MICHIGAN AVENUE, CHICAGO

BOARD OF GOVERNORS

President - Nathan H. Polmer	New Orleans
President-Elect — A. R. Hollender	
First Vice-President - Fred B. Moor.	Los Angeles
Second Vice-President - Kristian G. Hansson	New York
Third Vice-President - Miland E. Knapp	
Fourth Vice-President - Walter S McClellan	Saratoga Springs, N. Y.
Fifth Vice-President — H. Worley Kendell	Dayton, Ohio
Secretary - Richard Kovács	New York
Treasurer - John Stanley Coulter	
Executive Director — Walter J. Zeiter	
Disraeli Kobak, Editor-in-Chief	
Executive Secretary - Marion G Smith.	Chicago

EXECUTIVE COUNCIL

William H. Schmidt, Philadelphia, Chairman.
Norman E. Titus, New York, Secretary.
William Bierman, New York.
John Stenley Coulter, Chicago.
John Stenley Coulter, Chicago.
John Stenley Coulter, Chicago.
John Stenley Coulter, Chicago.
Gustav Kolischer, Chicago.
Frank H. Krusen, Rochester, Minn.
Albert Frank Tyler, Omaha.
Frack H. Ewerhardt, St. Louis.
Roy W. Fouts, Omaha.

REGIONAL OFFICERS

EASTERN SECTION—Chairman, A. A. Martucci, Abii gton, Penna.; Secretary, Madge C. L. McGuinness, 1211 Madison Avenue, New York, MID-WESTERN SECTION—Chairman, R. L. Bennett, Madison, Wis.; Secretary, Milton G. Schmitt, 4013 Milwaukee Ave., Chicago.
SOUTHERN SECTION—Chairman, Euclid M. Smith, Hot Springs National Park, Ark., Secretary, J. W. Torbett, Torbett Clinic, Marlin, Tex.

SOUTHEASTERN SECTION—Chairman, Mason I. Lowance, Atlanta, Ga.; Secretary, Kenneth Phillips, 1150 Coral Way, Miami, Fla.

WESTERN SECTION—Chairman, Mason I. Lowance, Atlanta, Ga.; Secretary, Kenneth Phillips, 1150 Coral Way, Miami, Fla.

WESTERN SECTION—Chairman, Mason I. Lowance, Atlanta, Ga.; Secretary, Kenneth Phillips, 1150 Coral Way, Miami, Fla.

WESTERN SECTION—Chairman, Mason I. Lowance, Atlanta, Ga.; Secretary, Kenneth Phillips, 1150 Coral Way, Miami, Fla.

WESTERN SECTION—Chairman, Mason I. Lowance, Atlanta, Ga.; Secretary, Kenneth Phillips, 1150 Coral Way, Miami, Fla.

WESTERN SECTION—Chairman, Mason I. Lowance, Atlanta, Ga.; Secretary, Kenneth Phillips, 1150 Coral Way, Miami, Fla.

WESTERN SECTION—Chairman, Euclid M. Smith, Hot Springs National Park, Ark., Secretary, J. W. Torbett, Torbett Clinic, Marlin, Tex.

EDITORIAL BOARD

DISRAELI KOBAK, Editor-in-Chief, Chicago.

EARL C. ELKINS, Rochester, Minn. FRED B. MOOR, Los Angeles. RICHARD KOVÁCS, New York.

WALTER M. SOLOMON, Cleveland, Ohio.

JOURNALS ABSTRACTED IN THE INTERNATIONAL ABSTRACT SECTION — JANUARY - DECEMBER, 1940

Abstracts of important articles in the following journals have been made in the International Abstract Section of the Archives during the past year,

Acta radiologica. Stockholm. American Journal of Diseases of Children. Chicago.

American Journal of Hygiene. Baltimore. American Journal of the Medical Sciences. Phil-

adelphia. American Journal of Ophthalmology. St. Louis.

American Journal of Physiology. Baltimore. American Journal of Psychiatry. New York. American Journal of Surgery. New York. American Review of Tuberculosis. New York. Annales de l'Institut d'actinologie. Paris.

Annales internationales de médecine physique et Antwerp, Belium. de physio-biologie. Annals of Internal Medicine. Lancaster, Pa. Naunyn-Schmiedeberg's Archiv für experimentelle Pathologic und Pharmakologie. Berlin.

Archives of Dermatology and Syphilology. cago.

Archives of Diseases of Childhood. London.

Archives of Neurology and Psychiatry. Chicago. Archives of Ophthalmology. Chicago. Archives of Otolaryngology. Chicago.

Archives of Otomyngon, Chicago. Archives of Pathology. Chicago.

Archives of Surgery. C Der Balneologe. Berlin.

The British Journal of Ophthalmology. London. British Journal of Physical Medicine. London. British Journal of Surgery. Bristol. British Medical Journal. London.

Bulletin of the Vancouver Medical Association. Vancouver.

California and Western Medicine. San Francisco. Canadian Medical Association Journal. Montreal. Hospitals. Chicago.

Illinois Medical Journal. Chicago. The Journal of Allergy. St. Louis.

Journal of the American Medical Association. Chicago.

Journal of Clinical Investigation. New York. Journal of Experimental Medicine. New York. Journal of the Florida Medical Association.

Jacksonville.

Journal of Kansas Medical Society. Topeka, Journal of Laboratory and Clinical Medicine St. Louis

Journal of the Medical Association of the State of Georgia. Atlanta.

Journal of Physiology. London,

Journal de radiologie et d'électrologie. Paris.

Lancet. London. Medical Bulletin of the Veterans' Administration Washington, D. C. Minnesota Medicine. St. Paul.

Modern Hospital. Chicago. Münchener medizinische Wochenschrift. Munich, Germany.

Nebraska State Medical Journal. Lincoln. Nederlandsch tijdschrift voor geneeskunde. Amsterdam.

New Orleans Medical and Surgical Journal. New Orleans.

New York State Journal of Medicine. New York, Ohio State Medical Journal. Columbus.

Practitioner. London. Presse médicale. Paris.

Proceedings of the Royal Society of Medicine. London.

Rocky Mountain Medical Journal. Denver, Colo. Schweizerische medizinische Wochenschrift. Basel, Switzerland.

Southern Medical Journal. Birmingham, Ala. Southwestern Medicine. Phoenix, Arizona.

Strahlentherapie. Berlin.

Surgery, Gynecology and Obstetrics. Chicago,

Technique chirurgicale. Paris. Therapie der Gegenwart. Berlin. Ugeskrift for laeger. Copenhagen.

Virchows Archiv für pathologische Anatomie und Physiologie und für klinische Medizin, Berlin.

Wisconsin Medical Journal. Madison.

Zeitschrift für die gesamte experimentelle Medizin. Berlin.

Zeitschrift für Orthopädie une ihre Grenzgebiete. Stuttgart, Germany.

SUBJECT INDEX

This is an index to all published articles, abstracts, clinics, correspondence, editorials, and book reviews, in the Archives for the year 1940. In this index the star (*) indicates an original article in the Archives; "ab," abstract; "C," correspondence; "E," editorial. One should look for the subject word with the following exceptions: "Book Reviews" and "Deaths" are indexed under these titles at the end of the letters "B," "D." The name of the author, in brackets, follows the subject entry.

For author index see page 761.

ACNE: Complex, Factor Analysis and Therapy of [Sternberg] 59—ab ALLERGENS: Tests by Ionic Transmission [Dut-

ton | 252-ab

AMERICAN MEDICAL ASSOCIATION: and Education in Physical Therapy, 239-E.

ANEMIA: Infantile, Circulatory Function in [Wright] 121-ab

APPARATUS: Electromedical, Radio Interference

from [Jett] *655
ARTHRITIS: and Rheumatism, Problem of [Hench, et al.] 698—ab

Atrophic, Treatment with Artificial Fever [Solo-mon and Stecher] *339 Chronic, Differential Diagnosis and Therapy of

[Wyatt, et al.] 569-ab Institutional Care and Physical Therapy of [Wyman] *301

Role of Posture in [Jordan] 569-ah

Diathermy in [Burnett] 635—ab Hyperpyrexia Treatment [Davison, et al.] 124—ab Physical Therapy Compared with Other Measures [Cecil] *581

Treatment of [Krusen] *144 Rheumatoid [Haden] *671

Histamine for [Meuther] 635—ab

ARTIFICIAL FEVER: See Hyperpyrexia

ASTHMA: Bronchial, and Vasomotor Rhinitis, Therapeutic Advances in [Haiman] *486 Inhalation Therapy [Abramson] *612

Severe, Treatment by Epinephrine Electrophoresis [Abramson] *261

Short Wave Therapy in [Stock] 122-ab

AUTOHEMOTHERAPY: Combined with Artificial Fever [Ishmael] *35

R

BACKACHE: Cause and Physical Therapy [Meyerding and Pollock] *60 with Sciatic Radiation [Hastings] 188—ab

BARUCH: Simon, American Pioneer of Hydrotherapy, 427—E.

BATHS: Fever, in Chronic Skin Diseases [Ortloff] 431—ab

for Bechterew's Disease [Pohl] 506-ab

Natural Carbonated, Effect of on Pulse and Blood Pressure [Dorrance and McClellan] *133

Sulphur, Treatment of Rheumatic Joint Disease [Evers] 505—ab

Thermal, Nature of [Benezur] 431-ab

BECHTEREW'S DISEASE: Treatment with Baths [Pohl] 506—ab

BLOOD SUGAR: Climatic Effect on [Cronheim]

BONE: Disease, Action of Short Wave Radiation on [Gabriel] 505—ali

BRAIN: and Spinal Cord, Electrosurgery of [Lyerly] *459

BRONCHOSCOPY: and Physical Therapy [Kernan] *620

BRUCELLOSIS: Physical Therapy of [Harris] *605

BURSITIS: [MacDonald] 59-ab

BOOK REVIEWS

Abt, I. A. The 1939 Year Book of Pediatrics, 184 Anniversary, Golden, of Waverly Press, 747

Ants and Men, 430

Arthritis and Allied Conditions, 695

As I Remember Him, 503

Asthma, 247

Beaumont, W. Diathermy: Short Wave Therapy, Inductothermy, Epithermy, 247

Blumer, G. The Therapeutics of Internal Medicine, 420

Burstein, J. Illustrative Electrocardiography, 503

Cancer, Cervical, 430

Cancer, Cure of, 311

Cancer, of Larynx, 248

Christopher, F. A. Textbook of Surgery, 632

Climatology, 311

Clinic Jubilee, 567

Coke, F. Asthma, 247

Cole, L. G., et al. Pneumoconiosis (Silicosis), 120
 Collens, W. S., et al. Peripheral Vascular Disease, 53

Comroe, B. J. Arthritis and Allied Conditions, 695

Copeman, W. S. C. The Treatment of Rheumatism in General Practice, 747

Crowe, H. W. Rheumatism, 312

Cunningham, J. H. The 1939 Year Book of Urology, 184

De Lee, J. B., et .la The 1939 Year Book of Obstetries and Gynecology, 376

Dermatology, and Venereal Disease, 183

Diabetes, 632

Diathermy, 247

Dick, G. F., et al. The 1939 Year Book of General Medicine, 56

Dickson, F.D. Functional Disorders of the Foot,

Dictionary, Medical, 568

Differential Diagnosis, 631

Electrocardiography, 503

Eller, J. J. Tumors of the Skin, Benign and Malignant, 375

Fantus, B. The 1939 Year Book of General Therapeutics, 183

Foot, Diseases of, 55

Foot, Functional Disorders of, 119

Forssell, G., et al. King Gustaf V's Stockholm Jubilee Clinic for Radiotherapy and Research in Cancer, 567

Frequency Modulation, FM, 747

Graham, E. A. The 1939 Year Book of General Surgery, 55

Gynäkologische Röntgendiagnostik, 56

Gynecologic Operations, 54

Hand, Infections of, 429

Haskins, C. P. Of Ants and Men, 430

Hauser, E. D. W. Diseases of the Foot, 55

Health Organization, 120

Heyman, J. Annual Report on the Results of Radiotherapy in Cancer of the Uterine Cervix, 430

Hiscock, I. V. Community Health Organization, 120 Intestinal Irrigation, 696

Jackson, C., et al. Cancer of the Larynx, 248

Kanavel, A. B. Infections of the Hand, 429

Katsainos, G. M. Syphilis and its Accomplices in Mischief, 54

Kinnear, J. Gardiner's Handbook of Skin Diseases, 696

Kramer, D. W. Manual of Peripheral Vascular Disorders, 375

Lewin, P. Orthopedic Surgery for Nurses Including Nursing Care, 695

Lilja, B. Displacement of the Calcified Pineal Body in Roentgen Pictures as an Aid in Diagnosing Intracranial Tumors, 568

Mackenna, R. M. B. Aid to Dermatology and Venereal Diseases, 183 Manipulation Treatment, 504

Martius, H. Gynecologic Operations, 54

Massage, 247

McDougall, J. B. Tomography, 375

McLester, J. S. Nutrition in Health and Disease, 120

Medicine in Modern Society, 53

Mennell, J. B. Physical Treatment by Movement, Manipulation and Massage, 504

Mills, C. A. Medical Climatology, 311 Morris, H. Physiotherapy in Medical Paretice, 119

Naegeli, O. Differential Diagnosis in Internal Medicine, 631

Nutrition, 120

Xve, R. N. Reports on Medical Progress (1939). 183

Orthopedic Surgery, 507

Orthopedic Surgery, Nurses', 695

Peripheral Vascular Disease, 53

Physical Therapy, 503

Physiotherapy, Medical, 119

Pineal Body Displacement, 568

Pneumoconiosis, 120

Poliomyelitis, 376

Progress, Medical, 183

Rau, U. R. Special Number on Diabetes "The Anti-septic," 632

Rheumatism, 312

Rheumatism Treatment, 747

Rheumatismus und streptomykolische Symbiose, 748

Riesman, D. Medicine in Modern Society, 53

Rider, J. F. FM. Frequency Modulation, 747

Samuels, J. Cancer: De Ontdekking van de Oorzaak en de Genezing van Kanker, 311

Schultze, G. H. F. Gynäkologische Röntgendiag-nostik, 56

Sever, J. W. Principles of Orthopedic Surgery, 567 Shanks, C. C., et al. A Textbook of X-Ray Diag-

nosis, 567 Skin Diseases, 696

Stedman, T. L., et al. Stedman's Practical Medical Dictionary, 568

Stevenson, J. L. Care of Poliomyelitis, 376

Surgery, Textbook of, 632

Syphilis, 54

Therapeutics, 429

Tidy, N. M. Massage and Remedial Exercises in Medical and Surgical Conditions, 247

Tomography, 375

Tumors, of Skin, 375

Vascular Disorders, 375

Veil, W. H. Rheumatism: Der Rheumatismus und die streptomykotische Symbiose, 748

Waddington, J. E. G. Scientific Intestinal Irrigation and Adjuvant Therapy, 696

Waverly Press, Golden Anniversary of, 747

X-Ray Diagnosis, 567

Year Book of General Medicine, 56

Year Book of General Surgery, 55

Year Book of General Therapeutics, 183

Year Book of Obstetrics and Gynecology, 376

Year Book of Pediatrics, 184

Year Book of Physical Therapy, 631

Year Book of Urology, 184

Zinsser, T. As I Remember Him, 503

CANCER: of Head and Neck, Radiotherapy of [Sharp] *549

of Rectum, Surgical High Frequency Currents in [de Cholnoky] *392

Temperature Factors in [Smith and Fay] 187-ab

CARDIAC DISEASE: and Edema, Exercise in [Sussman] *325

Marathon Runners [Jokl and Suzman]

UERVIX: Copper Ionization of [Bredall] 571-ab Pathologic, Office Treatment of [Kleegman] 033 ali

CLEVELAND: in 1940, 47 E

CLIMATE: Effect of Weather on Humans [Petersen | *522

on Human Blood [Bazett, et al.] 379- ale Influence on Blood Sugar [Cronheim] *593

Method of Comparative Investigation [Cronheim]

Seaside, Operative Factors of [Kestner] 316-ab

COLD: Effect on Thyroid Gland Starr and Roskelly 508 - ab

Influence on Carbohydrate Metabolism [Samaras] 506-ab

Penetrative Effect of [Bierman and Friedlander] *585

Temperature, Regulatory Responses to [Hemingway 379-ab

Thyroid Stimulation by [Ring] 186-ah Tissue Changes by [Smith] 750-ab

COLON: Irrigation [Cline] *465 [Hibben] *33

COMMITTEE: War Preparedness, Forgot Physical Therapy, 425-E

CONGRESS: American, of Physical Therapy, Address of Welcome [Sollmann] *561 Awards of Merit, 558-E

to Scientific Exhibitors, 562-E

Cleveland Meeting, 559-E

Felicitations to [Skipp] *562

19th Annual Meeting Program, 434-E

CONVALESCENTS: Care of [Corwin] 634—ab Day Camp [Kojac] 570—ab

CONVULSIONS: Electrically Induced [Fox] 634-ali

[Golla, et al.] 636-ab

Clinical Application of [Shepley and McGregor]

in Mental Disorders [Shepley and McGregor] 250-ab

in Childhood [Peterman] 186-ab

CURRENT: Alternating, Blocking Effect on Nerve [Rosenblueth and Reboul] 186-ab

High Frequency, Causing Changes in Prostate [Maslow and Martos] 187—ab in Cancer of Rectum [de Cholnoky] *392

Sinusoidal, for Trigeminal Neuralgia [Ulanski] *275

Treatment of Esophageal Dysfunction [Mandelbaum] *470

CURVES: Strength-Duration in Early Paralysis [Moor, et al.] *396

D

- DACRYOCYSTITIS: Infantile, Treated by Surgi-cal Diathermy [MacGillivray] 59—ab
- DELIRIUM TREMENS: Treatment of [Wortis and Keiser | 58-ab
- DERMATITIS: and Melanosis, Due to Photosensitization [Foerster and Schwartz] 58—ab Chronic Polymorphous Light [Turner] 60-ab
- DERMATOLOGY: Fever Therapy in [Phillips and Litterer] *533
- DIABETES: Complications. Newer Methods of Physical Therapy in [Beardwood] *171
- DIATHERMY: for Rectal Stricture following Lymphogranuloma [Martz and Foote] 431—ab in Arthritis [Burnett] 635-ali
- in Ophthalmology [Ruedemann and Zeiter] *451 Short and Ultrashort Wave [Brugsch and Pratt]
- Short Wave [Badaines and Bernard] 571—ab Action on Tissue Cells [Hasche] 433—ab Tissues [Johnson] 697-ab
- and Hypertension, 111—E. Cross Firing Technic in [Bauwens] *80 Evaluation of [Kovács] 251—ali
- Heat, Observation on [Bachem] *197 Improved Method of Application [Nagel-schmidt] 700 ab
- in Eye Diseases [Law] 635 -ali in Nasal Sinus Disease [Wahrer] *410
- m Neurosyphilis [Lasché] 572—ab in Treatment of Asthma [Stock] 122—ab Modified Method of Application [Brunner and
- Krusen | *10 Newer Aspects of Dosage and Technic | Kobak
- and Mittelmann] *87 of Carotid Sinus [Hertzman, et al.] *348
- Optimal Desage in [Schmitt] *716
- Point Heating, Mechanical Effects of [Krasny-Ergen[*302
- Power Output of [Mittelmann and Holmquest] 752-ab
- Problem [Rajewski and Schliephake] 249-ah Technic [Molander] *615
- Treatment Position in [Judovich and Pomerantz]
- Ultrashort, Blood Reaction in [Efimov and Routberg | 433-ab
- in Nasal Sinus Infection [Paterson] 634-ab DIETETICS: Artificial Feeding of Infants [Robinson[431—ab
- Irradiated Milk in Infant Feeding [Ellis] 186-ab DISEASE: discogenetic [Oppenheimer] 750-ah
- DISINFECTION: by Radiation [Dick] 249-ah DOSAGE: in Short Wave Diathermy [Kobak and
 - Mittelmann | *87 Optimal, in Short Wave Diathermy [Schmitt] *716

DEATHS

- De Martel, T., 498
- Doane, L. L., 246
- Freiberg, A. H., 498
- Hosmer, M. S., 630
- Parmley, L. V., 48
- Walke, F. H., 48

- EDUCATION: in Physical Therapy, and American Medical Association, 239-1
- ELECTRO-ANESTHESIA: [Manwaring] 432—ab ELECTRODE: Position in Diathermy Treatment [Judovich and Pomerantz] *688
- ELECTROENCEPHALOGRAPHY: in Epileptics [Pagniez] 250-ab
- FLECTROLYSIS: Improved Method in Hypertrichosis [Marton] *678
- of Skin Growths and Blemishes [Lamp] *235 Rectification in [Pollock and Finkelstein] 505-ab
- ELECTROPHORESIS: See Iontophoresis ELECTROSURGERY: Coagulation and Ioniza-
- tion of Endocervicitis [Derow] *154 Court Ruling on, 625—E Cyclodiathermy Puncture in Glaucoma [Vogt]
- 700 abDetachment of Retina [McKeown] *489 in Gallbladder Disease [Pribram] 377—ab
- Late Results in Retinal Detachment [Pischer] 122-ali
- Management of Retinal Separation [Nugent] *297 of Brain and Spinal Cord [Lyerly] *459 of Cancer of Rectum [de Cholnoky] *392
- of Detached Retina [Posner] *420 of Hemorrhoids [Goldfarb] 185—ab
- of Infantile Dacryocystitis [MacGillivray] 59-ab Resection of Liver [Tinker and Tinker] 58-ab Status of, 496--E
- Transurethral Resection of Prostate [Middleton] 60-ab
- ENDOCERVICITIS: Coagulation and Ionization of [Derow] *154
- EPILEPSY: and Electroencephalography [Pagniez] 250-ah
- EROSIONS: Cervical, Differentiation [Kolischer] 308-0
- ESOPHAGUS: Dysfunction, Treated with Sinusoidal Current [Mandelbaum] *470
- EXERCISE: Benefits of [Hadley] *5
 Blood Serum Changes after [Morse and Schultz]
- 251—alı Clinical Value of, 45—E.
- Coronary Occlusion [Lewis] 571-ab
- Corrective, Instrument for [Bettmann] *211 Effect on Blood Volume [Kaltreider and Mencely] 751-ab
- in Cardiac Disease [Jokl and Suzman] 571—ab and Edema [Sussman] *325 Individual Play for Handicapped Children [Wein-
- mann] *289
- Muscle Work in Running [Elftman] 633-ab
- Orthopedic, in Spinal Abnormalities [Hadley] *455 Prophylactic [Weiss and Behrend] 313-ab
- Vascular, Passive, in Peripheral Vascular Disease [Silverglade] *100

- FINSEN UNIT: Defined [Saidman] 187-ah
- FOOTWEAR: Tragedy of [Lindsay] 185-ab FRACTURES: After Care of, in Delayed Union [Jordan] *25
 - Physical Therapy in [Knapp] *401 of Elbow Joint [Knapp] *709
- FROSTBITE: of Extremities [Theis] *663

G

- GLAUCOMA: Cyclodiathermy Puncture in [Vogt] 700—ab
- GONORRHEA: Treated by Artificial Fever Combined with Sulfanilamide [Belt and Folkenberg] *203
- GYNECOLOGY: Copper Ionization of Cervicitis [Bredall] 511—ab
 - Endocervicitis, Coagulation and Ionization of [Derow] *154
 - Hysterosalpingography in the Management of Pelvic Disease [Lyford and Billman] *541
 - Pathologic Cervix, Office Treatment [Kleegman]
 - Physical Therapy in Painful Conditions [McGuinness] 252—ab

H

- HAY FEVER: Coseasonal, Electrophoresis in [Abramson] 123—ab
- Management of Ionization Clinic [Franklin] 59-ab
- HEARING AID: Problem, Status of [Carter] *414 HEAT: Short Wave, Observations on [Bachem] *197
- Infra-Red, Over Taped Surfaces [Boynton] *733
 HEMORRHOIDS: Electrocoagulation of [Gold-
- HEMORRHOIDS: Electrocoagulation of [Gold farb] 185—ab
- HERPES: Symptomatic, Following Artificial Fever [Warren, et al.] 315—ab
- Virus, Thermal Inactivation Time [Boak, et al.] 432—ab
- H1STAMINE: Effects on Peripheral Circulation [Cohen and Rosen] *12
- in Rheumatoid Arthritis [Meuther] 635-ab
- HOSPITAL: Pentgardens and Physical Therapy, 306—E.
- HYDROA: Vacciniforme, Ocular Manifestations [Stokes] 751—ab
- HYDROTHERAPY: Simon Baruch, Pioneer of, 427-E.
- HYPERPYREXIA: and Chemotherapy for Dementia Paralytica [Bennett, et al.] 699—ab
- and Sulfanilamide in Lymphogranuloma [Trautman and Thomason] 432—ab
- at Ohio Girls School at Delaware [Cowles] 697—ab Cerebral Symptoms in [Wood and McCravey] 377—ab
- Combined with Autohemotherapy [Ishmael] *335 Effect on Carbohydrate Metabolism [Kirstein and Crampton] 378—ab
- Evaluation of, in General Medicine [Davison, et al.] *728
- Followed by Symptomatic Herpes [Warren, et al.] 315-ab
- for Intestinal Obstruction [Smith] 699-ab
- Induced [Nattrass] 249—ab
- in Gonorrhea, Combined with Sulfanilamide [Belt and Folkenberg] *203
- in Syphilis Resistant to Therapy [Ruiter] 314—ab Intravenous Chloride in [Rosenberg and Epstein] 699—ab
- Laboratory Production of [Bennett and Elkins] *216
- of Atrophic Arthritis [Solomon and Stecher]
- of Cutaneous Diseases [Tauber and Goldman]

- Pathogenesis of Hemorrhage in [Wilson and Doan] 378—ab
- Physical, in Dermatology [Phillips and Litterer] *533
- Therapy [Glaser] 633-ab
- Treatment of Arthritis [Davison, et al.] 124—ab Water Excretion in [Bessemans, et al.] *219
- HYPERTENSION: and Short Wave Diathermy, 111-E
 - Essential, Relaxation in [Jacobson] *645
 - Irradiation of Carotid Sinus in [Delachaux and Schneider] 122—ab, 697—ab
- HYPERTRICHOSIS: Treatment by Improved Technic [Marton] *678
- HYSTEROSALPINGOGRAPHY: in Management of Pelvic Disease [Lyford and Billman]

I

- INDEX: the, Its Import, 746-E
- INFRA-RED: Heating Over Taped Surfaces [Boynton] *733
- INHALATION: Therapy of Asthma, Improved [Abramson] *612
- IONTOPHORESIS: Aconitin, Value of [Barakin] 315—ab
 - Copper, for Cervicitis [Bredall] 571-ab
 - for Epidermophyton [Jersild and Plesner] 507—ah
 - Important Advances in, 175-E
 - Nasal, Clinical Application of [Blassingame] *602
 - of Coseasonal Hay Fever [Abramson] 123-ah
 - of Epinephrine, in Severe Asthma [Abramson] *261
 - Skin Temperature in, as Indicator of Drug Vasodilation [Kling] *389
- IRRIGATION: Nasopharyngeal, Effect on Cervical Lymph Flow [McCarrell] 251—ab
 - Colon [Cline] *465
 - [Hibben] *33

K

KNEE: Forced Flexion, Device for [Elkins] *468

L

- LARYNGITIS: Tuberculous [Stevenson and Heaf] 379—ab
- LIGHT: and Drugs, Synergistic Effect on Streptococci [Pincussen and Nedzel] *231
 - Dermatitis [Turner] 60-ab
- Effect on Tumors [Doniach and Mottram] 750—ah Finsen, in Lupus [Lomholt] 572—ab
- Quartz Lamp, in Vacation Colony [Lugt, et al.] 506—ab
- Sensitivity [Callaway] 698—ab
- LIVER: Resection [Tinker and Tinker] 58-ab
- LUPUS: Vulgaris, Finsen Light for [Lomholt] 572—ab
- LYMPHOGRANULOMA: Venereal, Sulfanilamide and Fever Therapy in [Trautman and Thomason] 432—ab

MASSAGE: Vacuum, of Eye Ball [Dimitry] 633—ab

MEDICINE: Evolution of Physical Therapy in [Polmer] *517

General Evaluation of Hyperpyrexia in [Davison, et al.] *728

MELANOSIS: and Dermatitis, caused by Photosensitization [Foerster and Schwartz] 58—ab MERIT: Awards, by Congress, 558—E.

METABOLISM: Carbohydrate, Influence of Cold on [Samaras] 506—ab

on [Samaras] 506—ab MIDWESTERN SESSION: Impressions of, 177—E

MOTOR APPARATUS: Occupational Injury to [Gunth] 433—ab

MUSCLE: Electrical Excitability of [Rosenblueth]

Pressure During Contraction [Crigler and Kelso] 57—ab

Work in Running [Elftman] 633-ab

N

NERVE: Electrolytic Rectification in [Pollock and Finkelstein] 505—ab Fiber, Electric Stimulation of [Tasaki] 122—ab

NEURALGIA: Trigeminal, Sinusoidal Current for [Ulanski] *275

NEUROSYPHILIS: Short Wave Diathermy in [Lasché] 572-ab

0

OBSTRUCTION: Intestinal, Hyperpyrexia for [Smith] 699—ab

OCCLUSION: Coronary [Lewis] 571-ab

OCCUPATIONAL THERAPY: for Sick Children [Neustadt] 749—ab

OPHTHALMOLOGY: Cyclodiathermy Puncture in Glaucoma [Vogt] 700—ab

Detachment of Retina [McKeown] *489 [Posner] *420

Diathermy in [Ruedemann and Zeiter] *451

Eye Ball, Vacuum Massage of [Dimitry] 633—ah Grenz Ray in Corneal Infection [Gallardo, et al.] 380—ah

Hydroa Vacciniforme [Stokes] 751-ab

New Ultraviolet Lamp for Cataract Surgery [Hague] 380—ab

Retinal Detachment Operation Results [Pischel] 122—ab

Separation, Electrosurgical Management of [Nugent] *297

Short Wave Therapy in [Law] 635-ab

ORTHOPEDICS: Relation to Physical Therapy [Bagwell] *684

OTITIS: and Sinusitis in Swimmers [Taylor] 123-ab

OTOLARYNGOLOGY: Nasal Ionization [Blassingame] *602

Sinus Infection, Ultrashort Diathermy for [Paterson] 634—ab

and Otitis in Swimmers [Taylor] 123—ab

Physical Therapy of Common Cold [Russell] 124—ab Rhinitis, Allergic, Cooperative Management of [Hollender] 507—ab

Roentgenotherapy in [Ersner] *477

Short Wave Diathermy in Nasal Sinus Disease [Wahrer] *410

Therapeutic Advances in Vasomotor Rhinitis and Bronchial Asthma [Haiman] *486

P

PAIN: Low Back [Boucher] 698-ab

PARALYSIS: Artificial Fever and Chemotherapy for [Bennett, et al.] 699—ali

Facial, Physical Therapy of [Newman, et al.] *270 General, Acute [Herman and Rosenblum] 636—ab Ultraviolet Radiation in [Liberman and Spark] 572—ab

Strength-Duration Curves in [Moor, et al.] *396 PERIARTHRITIS: of Shoulder, Physical Therapy of [Kendrick] *41

PERIPHERAL CIRCULATION: Mecholyl and Histamine Effects on [Cohen and Rosen] *12

PHOTOSENSITIZATION: Agents [Sandler] 187-ab

Causing Dermatitis and Melanosis [Foerster and Schwartz] 58-ab

PHYSICAL MEDICINE: Trends of, Caused by War, 689—E

PHYSICAL THERAPY: and Bronchoscopy [Kernan] *620

and Common Rheumatism [Gutstein] 380-ab

and Graduate Teaching in University of Minnesota [O'Brien] *180

and Hospital Pentgardens, 306-E

and Institutional Care in Chronic Arthritis
[Wyman] *301

and War Preparedness, 425-E.

Combined Technic, Value of [Howat] 315-ab

Compared with other Measures [Cecil] *581

Evolution of [Polmer] *517

in Painful Gynecologic Conditions [McGuinness] 252—ab

in Relation to Orthopedics [Bagwell] *684

Newer Methods in Diabetic Complications [Beardwood] *171

of Arthritis [Krusen] *144

of Backache [Meyerding and Pollock] *69

of Brucellosis [Harris] *605

of Common Cold [Russell] 124-ab

of Elbow Fractures [Knapp] *709

of Facial Paralysis [Newman, et al.] *270

of Gastric Patients [Engelhard and Friedrich] 433—ab

of Periarthritis of the Shoulder [Kendrick] *41

of Rheumatic Tendoperiostitis [von Neergaard] 433—ab

Paper Experts on, 623-E

Role in Fractures [Knapp] *401

Rules for [Coulter and Northway] 570—ab Tendon Injuries [Henson] 570—ab

PLETHYSMOGRAPHY: Cutaneous, in Peripheral Vascular Disease [Goetz] 378—ab

Digital, as Measure of Peripheral Circulation [Johnson] 508—ab POSTURE: in Chronic Arthritis [Jordan] 569—ah PROSTATE: Changes in by High Frequency Current [Maslow and Martos] 187—ah

Transurethral Resection of [Middleton] 60-ah

PROSTATITIS: Chronic, Medical Management of [Kretschmer] 58—ab

PROTEST, Courageous, Dr. Turrell's 367-E.

PSORIASIS: Treatment with Viosterol [Clarke] 506—ab

PSYCHOSES: Electrically Induced Convulsions in [Shepley and McGregor] 250—ali

Electrical Shock Therapy, 112-E.

in Schizophrenia [Kalinowsky] 121-ab

Faradic Shock Treatment of [Berkwitz] 313-ab, 569-ab

R

RADIATION: Erythema, Skin Reaction [Hamperl, et al.] 506--ab

Grenz Ray, for Corneal Infection [Gallardo, et al.] 380-ali

in Cancer of Head and Neck [Sharp] *540

of Carotid Sinus, in Hypertension [Delachaux and Schneider] 122-ab

of Milk, in Infant Feeding [Ellis] 186-ab

Quartz, in Vacation Colony [Lugt, et al.] 506-ali

Sciatica, in Low Back Pain [Hastings] 188-ab

Short Wave, Action on Diseased Bone Tissue [Gabriel] 505—ab

Effect on Trichinella spiralis [Holl, et al.]

of Carotid Sinus in Hypertension [Delachaux and Schneider] 697—ah

of Milk, Effect on Minerals in Children [Hum-mel and Humscher] 749-ah

Ultrashort, Blood Reaction to [Efimov and Routberg] 433-ab

berg | 433—ab Ultraviolet, Action on Epinephrine | Konzett and Weis | 507—ab

Aid in Dementia Paralytica [Liberman and Spark] 572—ab

Dangers of [Cipollaro] *223

in Skin Discases [Furniss] 188-alı

RADIO: Communication and Medical Equipment, 369—E.

Interference from Electromedical Apparatus [Jett] *655

REACTION: Blood in Ultrashort Wave Irradiation [Efimov and Routberg] 433—ab

Circulatory and Respiratory, in Athletes [Schneider and Crampton] 378—ah

Cutaneous, to Ultraviolet Light and Sulfanilamide [Hallam] 124—ab

Galvanic, in Guinea Pigs [Buchanan and Ladd] 123—ab

Skin, in Hay Fever Treatment [Abramson] 123—ab in Irradiation Erythema [Hamperl, et al.]

Temperature, in Vascular Disease, as Indicator of Drug Vasodilation [Kling] *389

RECTUM: Stricture, Treated by Diathermy [Martz and Foote] 431—ab

REEDUCATION: in Multiple Sclerosis, Observations of [Marshall] *164

REFLEXES: Postural [Huddleston] *282

RELAXATION: Cultivated, in Essential Hypertension [Jacobson] *645

RETIXA: Detachment of [McKeown] *489 [Posner] *420

Electrosurgical Management of [Nugent] *297 Results [Pischel] 122—ab

RHEUMATIC DISEASE: and Arthritis, Problem of [Hench, et al.] 698—ab

Common, and Physical Therapy [Gutstein] 380-ab

Spa Therapy [Smith and Lutterloh] *141

Tendoperiostitis, Treatment of [von Neergaard] 433—ab

Treatment with Natural Sulphur Baths [Evers] 505—ab

RHINITIS: Allergic, Cooperative Management of [Hollender] 507—ab

Vasomotor, and Bronchial Asthma. Therapeutic Advances in [Haiman] *486

RICKETS: Refractory [Bakwin, et al.] 379—ab Vitamin-resistant [Gill] 187—ab

ROENTGENOTHERAPY: in Otorhinology [Ersner] *477

S

SCHERESCHEWSKY: Our Tribute to, 495-E.

SCHIZOPHRENIA: Electric Convulsion Therapy in [Kalinowsky] 121—ab

Skin and Bone Temperature in [Freeman] 751—ab

SCLEROSIS: Multiple, Reeducation in [Marshall] *164

SEMINAR: of Western Section, and California, 305—E.

SHOCK: Faradic, Treatment of Psychoses [Berkwitz] 313-ab, 569-ab

Surgical, Faradic Stimulation to Raise Pressure in [Ornstein, et al.] *329

Therapy, in Schizophrenia [Kalinowsky] 121—ab Electrical, of Psychoses, 112—E

SIMON BARUCH: American Pioneer of Hydrotherapy, 427—E.

SINUS: Carotid, Short Wave Diathermy of [Hertzman, et al.] *348

Disease, Short Wave Diathermy in [Wahrer] *410

Nasal, Ultrashort Diathermy for Infection of [Paterson] 634—ab

SINUSITIS: and Common Cold, Physical Therapy of [Russell] 124—ah

and Otitis, in Swimmers [Taylor] 123-ah

SKIN DISEASE: Chronic, Fever Baths in [Ortloff] 431—ab

Epidermophyton, Copper Iontophoresis for [Jersild and Plesner] 507—ab

Growths and Blemishes, Removal by Electric Needle [Lamp] *235

761

Hyperpyrexia of [Tauber and Goldman] 751-ab

l'soriasis, Treatment with Viosterol [Clarke] 506—ab

Ultraviolet Radiation in [Furniss] 188-ab

SOUTHEASTERN SECTION: of Congress, at Atlanta, 241—E

SPAS: Control by Organized Medicine [Carroll] 508—ab

in Rheumatic Diseases [Smith and Lutterloh] *141

SPINAL CORD: and Brain, Electrosurgery of [Lyerly] *459

SPINAL DISEASE: Orthopedic Gymnastic Treatment of [Hadley] *455

STIMULATION: Electric, of Nerve Fiber [Tasaki] 122-ab

Faradic, in Surgical Shock for Raise of Venous Pressure [Ornstein, et al.] *329

STOMACH DISEASE: and Physical Therapy [Engelhard and Friedrich] 433—ab

STREPTOCOCCI: Synergistic Effect of Drugs and Light on [Pincussen and Nedzel] *231

SUNLIGHT: Artificial, for Miners, 185-ali

SYPHILIS: Resistant to Therapy [Ruiter] 314-ab

T

TEMPERATURE: Effect on Unstriated Muscle [Rao and Singh] 699—ab

in Cancer and Embryonal Cell Growth [Smith and Fay] 187—ab

TENDON: Injuries [Henson] 570—ab Supraspinatus, Rupture of [Moseley] 313—ab

TENDOPERIOSTITIS: Rheumatic, Treatment of Ivon Neergaard] 433—ab

THYROID: Effects of Cold on [Starr and Roskelly] 508—ah

Stimulation by Cold [Ring] 186-ab

TRACHEOBRONCHITIS: Tuberculous [Jenks] 700-ab

TUBERCULOSIS: Genital [Miller and Lustok] 314—ah

TUMORS: Growth, Rhythm and Recession of [Friedman] *738

L

Hibernation of Metastatic [Baughn] 749-ah

Light Effect on [Doniach and Mottram] 750—ab ULTRAVIOLET: Action on Epinephrine [Konzett and Weis] 507—ab

Adjuvant in Dementia Paralytica [Liberman and Spark] 572—ab

Dangers [Cipollaro] *223

Disinfection [Dick] 249-ali

for Refractory Rickets [Bakwin, et al.] 379-ab

for Skin Diseases [Furniss] 188-ab

for Tuberculous Laryngitis [Stevenson and Heaf] 379—ab

for Whooping Cough [Delthil and Peuteuil] 431-ab, 507-ab

Lamp for Cataract Surgery [Hague] 380-ab

Quartz, in Vacation Colony [Lugt, et al.] 506—ab Reaction [Hallam] 124—ab

V

VASCULAR DISEASE: Digital Plethysmography in [Johnson] 508-ab

Evaluation of Therapeutic Methods in [Bierman] *267

Peripheral, Diagnosis and Treatment by Passive Vascular Exercises [Silverglade] *100

Plethysmography in [Goetz] 378-ali

Skin Temperature as Indicator of Drug Vasodilation [Kling] *389

W

WAR: Causing Trends in Physical Medicine, 689-F.

Preparedness and Physical Therapy, 425-E

WATER: Excretion during General Hyperthermy [Bessemans, et al.] *219

WHOOPING COUGH: Ultraviolet for [Delthil and Peuteuil] 431—ab, 507—ab

Y

YULETIDE: Hopes and Greetings, 745-E

AUTHOR INDEX

In this Index are the names of the authors which have appeared in the Archives, the names of those who have read papers before Societies as published in the Archives, the names of those who have discussed papers read before Societies as published in the Archives, and those whose articles have been abstracted in the Archives. The (*) preceding the page reference indicates that the article appeared in full in the Archives. The "C" following page reference indicates correspondence; "d" discussion. The "ab" following page reference indicates abstract. For subject index see page 754.

1

234-1

Abramson, H. A., 123—ab, *261, *612 Alexander, W. F., *348 Anderson, W. T., Jr., 229—d, B

Bachem, A., *197 Badaines, N. H., 571—ab Bagwell, T., *684 Bakwin, H., 379—ab Barakin, M., 315—ab Barger, G. J. P., 228—d

Barnard, E., 571—ab Bauer, W., 698—ab

Baughn, A. M., 749-ab

Bauwens, P., *80, 98-d Bazett, H. C., 379-ah Beardwood, J. T., *171 Behrend, H. J., 313-ab Belt, E., *203 Benezur, G., 431-ab Bennett, A. E., 699—ah Bennett, R. L., Jr., *216, 348-d, 584 d Berkwitz, N. J., 313-ab, 569 -ah Berris, J. M., *270 Bessemans, A., *219 Bettmann, E. H., *211 *267. Bierman, W., 346-d. 347-d, *585, 592-d Bilik, S. E., 280-d Billman, B., 399-d, *541, 548 Bippus, W. E., 468-d Blassingame, C. D., *602 Boak, R. A., 315-ab, 432-ab Bodansky, O., 379-ali Bohn, S. S., *270 Boucher, H. H., 698-ab Bowman, K. M., 58-ab Boynton, B. L., *733 Bredall, J. J., 571-ab Bromberg, L., 378-ab Brugsch, H., 57-ab Brunner, M., *16 Buchanan, A. R., 123-ab Burnett, E. J., 635-ah

C

Callaway, J. L., 698-ab Carpenter, C. M., 315-ah, 432 -ah Carroll, J., 143-d, 508-ab Carter, H. A., 98-d, *414, 419 —d, 661—d Castroviejo, R., 453-d Cecil, R. I., *581, 584-d de Cholnoky, T., *392 Cipollaro, A. C., *223, 230-d Clarke, G. E., 506-ah Cline, W., *465 Cohen, A., *12 Corwin, E. H. L., 634-ab Coulter, J. S., 570-ab, 659-d Cowles, D. S., 697-ab Crampton, C. B., 378-ah Crigler, E. F., 57-ab Cronheim, G., *353, *593 Crowe, W. R., 124-ab, *728 Currence, J. D., 583-d

D

Dail, C. W., *396 Davison, H. M., 124-ab, *728 Dawson, M. H., 698--ab

Delachaux, A., 122-ab, 697 Delthil, P., 431—ab, 507—ab Derow, D., *154 Dick, G. F., 249-ah Dimitry, T. J., 633-ab Doan, C. A., 378-ali Doniach, I., 750-ab Dorcas, M. J., 234-d Dorrance, S., *133 Doupe, J., 379-ali Dutton, L. O., 252-ali

E

Efimov, V., 433-ab Elftman, H., 633-ab Elkins, E. C., *216, *468 Ellis, W. B., 186-ab Engelhard, A., 433-ab Epstein, N. N., 699-ab Erlanger, G., 300-d Ersner, M. S., 417—d, *477, 485—d Evers, A., 505-ab Ewerhardt, F. H., 77-d, 288-d F Fay, T., 187-ab

Feldman, L., 78-d, 228-d Ferderber, M. B., 347-d Finkelman, I., 505-ab Fleming, G. W. T. H., 636-ah Foerster, H. R., 58-ab Folkenberg, A. W., *203 Foote, M. N., 431-ah Fox, F. E., 634-ab Francis, J. D., 569-ah Franklin, P., 59-ab Freeman, H., 751-ah Friedlander, M., *585 Friedman, M., *738 Friedrich, H., 433-ah Furniss, A., 188-ab

G

Gabriel, G., 505-ab Gallardo, E., 380-ah Gill, A. M., 187-ab Glaser, L. F., 633-ab Goetz, R. H., 378-ab Goldfarb, S., 185-ab Goldman, L., 751-ab Golla, F., 636-ab Greenfield, 492-d Gunth, E., 433-ab Gutstein, M., 380-ab

H

Haden, R. L., *671 Hadley, H. G., *5, *455 Hague, E. B., 380-ab

Haiman, J. A., *486, 494-d Hall, F., 698-ab Hallam, R., 124-ab Hamperl, H., 506-ab Hansson, K. G., 407-d, 715-d Harris, H. J., *605 Hasche, E., 433-ab Hastings, A. H., 699-ah Hastings, R. E., 188-ab Haynes, R. S., 286-d Heaf, F. R. G., 379-ab Hector, L. G., 314-ab, 315-ab Hellebrandt, F. A., 57-ab Hemingway, A., 379-ab Hench, P. S., 698-ab Henschke, U., 506-ah Henson, C. W., 570-ah Herman, M., *329, 636-ab Hertzman, A. B., *348 Hibben, I. S., *33 Hirsch, E., 334-d Hirsch, H. L., 281-d Holbrook, J. S., 540-d Holbrook, W. P., 698-ab Holl, F. J., 314-ab, 315-ab Hollender, A. R., 488-d, 507 -ab Holmquest, H. J., 752-ah Howat, R. D., 315-ah Huddleston, O. L., 234—d, *282, 288—d, 591—d Hummel, F. C., 749-ah Hunscher, H. A., 749-ab Hunt, W. M., 418-d Hyams, M. N., 547-d

Ishmael, W. K., *335, 347-d

J

Jacobson, E., *645 Jenks, R. S., 700-ab Jersild, O., 507-ab Jett, E. K., *655, 662—d Johnson, C. A., 508-ah Johnson, H. J., 697-ah Jokl, E., 571-ab Jordan, H. H., *25, 569-ab Jouard, F., 281-d, 413-d Judovich, B. D., *688

K

Kalinowsky, L., 121-ah Kaltreider, N. L., 751-ab Keiser, S., 58-ab Kellogg, K., *396 Kelso, L. E. A., 57-ab Kendrick, J. I., *41 Kernan, J. D., *620, 622-d Kestner, O. H., 316-ah Key, J. A., 698-ab

Kirstein, M. B., 378—ab Kleegman, S. J., 633—ab Kling, D. H., *389 Knapp, M. E., 229—d, *401, 410—d, *709, 715—d Kobak, D., *87 Kojac, G., 570—ab Kolischer, G., 308—C Konzett, H., 507—ab Kotkis, A. J., *348 Kovács, R., 143—d, 230—d, 251 ab, 662—d Krasny-Ergen, W., *362 Kretschmer, H. L., 58—ab Krusen, F. H., *16, 99—d, *144, 583—d

L

Ladd, L. D., 123-ab Lakeman, P., 506-ab Lamp, C. B., *235, 308-C Lasché, P. G., 572-ab Law, F. W., 635-ab Lenz, M., 484-d Leuba, W., 433-ab Levin, I., 280-d Lewis, W. H., 571-ab Liberman, D. L., 572-ab Licht, S., 329, 400-d Lindsay, E. A., 185-ab Litterer, A. B., *533 Loewe, W. R., 454-d Lomholt, S., 572-ah Lowance, M. I., 124-ab, *728 Lubsen, N., 506-ab Lugt, H., 506-ab Lustok, M. J., 314-ab Lutterloh, C. H., *141 Lyerly, J. G., *459 Lyford, G., *541, 548-d

M

MacDonald, H. K., 59-ab MacGillivray, A. M., 59-ab Major, G., 488-d Mandelbaum, M. J., *470 Manwaring, W. H., 432-ab Marshall, W., *164 Marton, M. H., *678 Martos, E., 187-ab Martz, H., 431-ab Maslow, L. A., 187-ab McCarrell, J. D., 251-ab McClellan, W. S., *133 McCravey, A., 377—ab McEwen, C., 698-ab McGaw, W. H., 715-d McGregor, J. S., 250-ab, 697 McGuinness, M. C. L., 252-ab McKeown, H. S., *489, 493--d van Meirhaeghe, A., *219 Meneely, G. R., 751-ab Meuther, R. O., 635-ab Meyerding, H. W., *69 Middleton, R. P., 60-ab Milgram, J. E., 409-d Miller, E. A., 314-ab Mittelmann, E., *87, 99-d, 752 -ab Molander, C. O., *615 Moor, F. B., 140-d, 233-d, *396, 400-d, 591-d Morse, M., 251-ab Moseley, H. F., 313-ab Mottram, J. C., 750-ab

N

Nagelschmidt, F. K., 700—ab Nattrass, E. J., 249—ab Nedzel, A. J., *231 von Neergaard, K., 433—ab Neustadt, E., 749—ab Newman, M. K., *270, 281—d Nielsen, J. C., 699—ab Northway, W. H., 570—ab Nugent, O. B., *297, 300—d

0

O'Brien, W. A., *180 Olsen, A. B., 139—d Oppenheimer, A., 750—ab Ornstein, G. G., *329, 334—d Ortloff, H., 431—ab

D

Pagniez, P., 250-ab Pascal, J. I., 453-d Paterson, W. P. E., 634-ab Peter, L. C., 454—d, 491—d Peterman, M. G., 186-ab Petersen, W. F., *522 Penteuil, G., 431-ab, 507-ab Pfeiffer, R., 380-ab Phillips, K., 334—d, 342—d, 468 —d, *533 Piaskoski, R., 345-d Pincussen, L., *231, 235-d Pischel, D. K., 122-ab Plesner, M., 507-ab Pohl, H., 506-ab Pollock; G. A., *69, 78-d, 408 -dPollock, L. J., 505-ab Polmer, N. H., *517 Pomerantz, J., *688 Posner, A., *420 Pratt, J. H., 57-ab Pribram, B. O. C., 377-ab

R

Rajewski, B., 249-ab

Rao, M. S., 699-ab Reboul, J., 186-ab Ring, G. C., 186-ab Robinson, E. C., 431-ab Robinson, G. A., 484-d Rollier, A., 433-ab Rosen, H., *12 Rosenberg, E. E., 699-ab Rosenblueth, A., 186-ab, 379 -ab Rosenblum, M. P., 636-ab Roskelly, R., 508-ab Routberg, R., 433-ab Ruedemann, A. D., *451 Ruiter, M., 314-ab Russell, W. K., 124-ab

5

Sacco, A. G., 412-d Saidman, J., 187-ab Samaras, K., 506-ab Sandler, I. L., 187-ab Schillinger, R., 483-d Schliephake, E., 249-ab Schmidt, W. H., 278-d, 344 -dSchmitt, M. G., 78-d, 345-d, *716 Schneider, E. C., 378-ah Schneider, G., 122-ab, 697-ab Schorr, R., 379-ab Schultz, F. W., 251-ab Schulze, R., 506-ab Schwartz, L., 58-ab Schwarzschild, M., 96-d Scott, J. C., 379-ab Sharp, G. S., *549 Sheard, C., 97-d Shepley, W. H., 250-ab, 697 -ab Silverglade, A., *100 Silvers, L. J., 488-d, 622-d Simon, A. J., 314—ab, 315—ab Singer, C. I., 143-d Singh, I., 699-ab Skipp, W. M., *562 Smith, B. A., 699-ab Smith, E. M., *141, 170-d Smith, L. W., 187-ab, 750-ab Sollmann, T., *561 Solomon, W. M., *339, 347-d Spark, I., 572-ab Starr, P., 508-ab Stecher, R. M., *339 Steinbrocker, O., 78-d Sternberg, T. H., 59-ab Stevenson, R. S., 379-ab Stimson, B. B., 408-d

Stock, J. P. P., 122-ab

Stokes, J. H., 59-ali
Stokes, W. H., 751-ali
Stump, J. P., 288-d
Sunderman, F. W., 379-al
Sussman, A. A., *325
Suzman, M. M., 571-al-

T
Tasaki, I., 122—ab Tauber, E. B., 751—ab
Taylor, H. M., 123-ab
Theis, F. V., *663
Thomason, H. A., 432-ah
Thompson, H. F., 569-ab
Thompson, R., 380-ab
Thorpe, H. E., 492-d
Tinker, M. B., 58-ab

Tinker, M. B., Jr., 58-ab	
Titus, N. E., 279—d, 343 660—d	41
Trautman, J. A., 432-ab	
Troedsson, B. S., 44-d	
Turner, W. J., 60-ab	
Turrell, W. J., 370-C, 371	(
t'	
Ulanski, B., *275, 281—d	
1.	
Vogt. A., 700 - ab	

Walter, W. G., 636-ab
Warren, S. L. 315-ab, 432-ab
Weinmann, B., *289
Weis, W., 507ab
Weiss, L. 313—ab
Wilson, S. L. 378-ab
Winokur, S., 281-d
Wood, O. T., 377-ab
Woodbury, F. T., 409-d
Wortis, H., 58-ab
Wright, F. H., 121-ab
Wyatt, B. L., 569-ab
Wyman, J. F., *301
Z
Zeisler, E., 308-C
Zeiter, W. J., *451

SUPPLEMENT SCIENCE INDEX

W de Waele, H., *219 Wahrer, F. L., *410, 413 – d

This supplemental index gives the abbreviated titles and page numbers only of scientific news items that have been published during the year under the general heading of "Science, News, Comments." They are given here for future reference because of their intrinsic value,

Amputation Technic, 566
Brain Abscess, Cured by Sulfanilamide, 50 Breakdown, Nervous, Cure of, 373 Burns, New Treatment of, 244
Cancer, Caused by Sex Hormones, 565 Cell, Changed by Insulin, 744 Chemical Control of, 182 Colchicine Doubles Chromosomes, 692
Diabetes, Absence of Toothache in, 502
Electricity, New Shock Treatment, 116 Static, in Industry, 499 Electrophoresis for Pore Patterns, 627
Food Preservation by Rubber Covers, 50 Fractures, Sex Hormones for, 565
Hibernation by Insulin Injections, 51
Infection, Middle Ear, Chemical Treatment of, 244 Influenza Protection, 182 Insanity, Fifteen Minute Cure of, 502
Micrometer, Electrical, 51

Oxygen, for Heart Pain, 310 for Insanity, 566
Pucumonia, New Diagnostic Method of, 51 New Germ and Serum, 244 Synthetic Vaccine for, 52 Potassium Thiocyanate for High Blood Pressure, 242
Sex Hormone, in Dentistry, 374 Shock, Surgical, Gland Extract as Prevention of, 243 Splint Bank in Paralysis, 118 Spotted Fever, New Serum for, 692 Staphylococci Control by Chemical, 49 Sulfanilamide, Cures Brain Abscess, 50 for Abscessed Teeth, 246 Syphilis, Five Day "Cure," 310
Thiamin, for Varicose Ulcers, 500 Trichinosis Elimination by Inspection, 372 Typhus, Vaccine Protection Against, 500
Vaccine, Synthetic, for Pneumonia, 52 Vitamin, E., in Hopeless Diseases, 693 Loss in Stored Fruit, 373 Treatment in Eye Diseases, 629

INDEX TO PAGES

Of the Journal, According to Monthly Issues - Volume XX, January - December, 1940

Pages	No.	Month	Pages	No.	Month
1-64	1	Tanuary	385 - 448	**************************************	July
65 - 128	2	February	449 - 512	8	August
129-192	3	March	513 - 576	9	September
193 - 256	4	April	577 - 640	10,	October
257-320	5	May	641 - 704	11	November
321 - 384	6	June	705 - 768	12	December

